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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/933,862
		Filing Date	August 20, 2001
		First Named Inventor	Baoxin et al.
		Group Art Unit	2621
		Examiner Name	
Total Number of Pages in this Submission	259	Attorney Docket Number	KLR 7146.124

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ENCLOSURES (check all that apply)		
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<input type="checkbox"/> Amendment <input type="checkbox"/> After Final/ Response <input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Licensing Related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Small Entity Statement	
	<input type="checkbox"/> Request for Refund	
Remarks:		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	Kevin L. Russell of CHERNOFF, VILHAUER, Mc CLUNG & STENZEL, LLP
Signature	
Date	December 5, 2001

CERTIFICATE OF MAILING			
I hereby certify that, on the date below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C., 20231			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION EXAMINING OPERATIONS

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Group 2600

Applicant: Baoxin et al.

Group Art Unit: 2621

Serial No.: 09/933,862

Examiner:

Filed: August 20, 2001

Attorney Docket No.
KLR:7146.124

Title: SUMMARIZATION OF FOOTBALL VIDEO CONTENT

INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 CFR §1.98

1600 ODS Tower
601 S.W. Second Avenue
Portland, Oregon 97204-3157
December 5, 2001

Box Patent Application
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Applicant submits herewith copies of patents and publications of which he is aware and which he desires to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being submitted before the mailing date of a first office action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

A list of the patents enclosed herewith is set forth on the attached two pages of Form PTO-1449 (Modified).

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,



Kevin L. Russell
Attorney for Applicant
Tel: (503) 227-5631

CERTIFICATE OF MAILING

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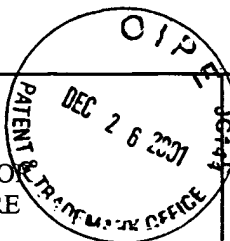
Dated: December 5, 2001


Kevin L. Russell

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.
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APPLICANT: Baoxin, et al.

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REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

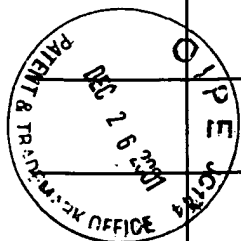
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	US Pat. No. 4,183,056	Jan. 8, 1980	Evans et al.			
	AB	US Pat. No. 5,805,733	Sep. 8, 1998	Wang et al.			
	AC	US Pat. No. 5,956,026	Sep. 21, 1999	Ratakonda			
	AD	US Pat. No. 5,995,095	Nov. 30, 1999	Ratakonda			
	AE	US Pat. No. 6,141,041	Oct. 31, 2000	Carlbon et al.			
	AF	US Pat. No. 6,141,060	Oct. 31, 2000	Honey et al.			
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AJ							
	AM							
	AN							
	AO							
	AP							
	AQ							
	AR							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		J. Canny, "A Computational Approach to Edge Detection",
		IEEE Trans. Pattern Anal. Machine Intelligence, Vol. 8, pp. 679-698, 1986
		Y. Wang, Z. Liu, and J-C Huang, "Multimedia Content Analysis - Using both Audio and Visual Cues,"
		IEEE Signal Processing Magazine, Vol. 17, No. 16, pp. 12-36, Nov. 2000
		D.D. Saur, Y-P. Tan, S.R. Kulkarni and P. Ramadge, "Automatic Analysis and Annotation of Basketball Video",
		Proc. Of SPIE, Vol. 3022, pp. 176-187, at least one year prior to the filing date



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Group 2600

		D. Yow, B-L. Yeo, M. Yeung and B. Liu, "Analysis and Presentation of Soccer Highlights From Digital Video", Proc. 2 nd Asian Conference on Computer Vision, 1995
		T. Kawashima, K. Tateyama, T. Iijima and Y. Aoki, "Indexing of Baseball Telecast for Content-based Video Retrieval", Proc. International Conference on Image Processing, 1998
		B-L. Yeo and B. Liu, "On the Extraction of DC Sequence From MPEG Compressed Video", Proc. International Conference on Image Processing, 1995
		H.B. Lu, Y.J. Zhang and Y.R. Yao, "Robust Gradual Scene Change Detection", Proc. International Conference on Image Processing, 1999
		S.J. Golin, "New Metric to Detect Wipes and Other Gradual Transitions in Video", Proc. IS&T/SPIE Conference on Visual Communications and Image Processing, 1999
		M.R. Naphade, R. Mehrotra, A.M. Ferman, J. Warnick, T.S. Huang and A.M. Tekalp, "A High-Performance Shot Boundary Detection Algorithm Using Multiple Cues", International Conference on Image Processing, 1998 Proc. International Conference on Image Processing, 1998
		R. Lienhart, "Comparison of Automatic Shot Boundary Detection Algorithms", Proc. IS&T/SPIE Conference on Visual Communications and Image Processing, 1999
		Y. Rui, A. Gupta, A. Acero, "Automatically Extracting Highlights for TV Baseball Programs", Microsoft Research, Redmond, WA, 2000
		B. Li and M.I. Sezan, "Event Detection and Summarization in Sports Video", Sharp Laboratories of America, Camas, WA, 2001, at least one year prior to the filing date
		H. Pan, P. van Beek and M.I. Sezan, "Detection of Slow-Motion Replay Segments in Sports Video for Highlights Generation", Sharp Laboratories of America, Camas, WA, at least one year prior to the filing date
		J.S. Boreczky and L.D. Wilcox, "A Hidden Markov Model Framework for Video Segmentation Using Audio and Image Features", FX Palo Alto Laboratory, Palo Alto, CA, at least one year prior to the filing date
		S. Eickeler and S. Muller, "Content-Based Video Indexing of TV Broadcast News Using Hidden Markov Models", Gerhard-Mercator University Duisburg, Germany, Int'l Conf on Acoustic, Speech and Signal Processing, 1999
		W. Wolf, "Hidden Markov Model Parsing of Video Programs", Proc. Int. Conf. Acoustic, Speech, and Signal Processing, 1997
		F.R. Kschischang, "Factor Graphs and the Sum-Product Algorithm", IEEE Transactions on Information Theory, Vol. 47, No. 2, February 2001

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.